Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/08/2014 09:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/08/2014 01:08 PM
Cytometer Configuration:	Euroflow PLUS 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124644	-1	1.28	124451	1.21
Blue	F	SSC	125000	125107	0	2.29	125983	1.99
Blue	E	FITC	17083	16528	-4	2.13	928	8.01
Blue	D	PE	24195	23786	-2	1.80	1074	7.09
Blue	B	PerCP-Cy5-5	64158	63098	-2	2.41	1669	11.64
Blue	A	PE-Cy7	76341	75401	-2	3.45	1004	22.21
Red	C	APC	61782	61174	-1	2.56	3461	7.77
Red	A	APC-Cy7	92681	92552	-1	2.60	1831	7.52
Violet	B	CF-BLUE	13115	12628	-4	2.71	779	6.92
Violet	A	V500	46454	44929	-4	2.28	2537	4.72

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20265	3.38	571	-3	N/A	N/A	Pass
Blue	F	SSC	62631	1.38	489	10	N/A	N/A	Pass
Blue	E	FITC	102	31.51	505	0	0.0309	38	Pass
Blue	D	PE	223	22.15	504	1	0.2217	145	Pass
Blue	B	PerCP-Cy5-5	205	34.29	576	1	0.0139	0	Pass
Blue	A	PE-Cy7	80	82.37	637	2	0.0184	4	Pass
Red	C	APC	323	24.62	571	3	0.0233	0	Pass
Red	A	APC-Cy7	117	35.30	551	4	0.0054	685	Pass
Violet	B	CF-BLUE	82	36.67	449	0	0.0622	1698	Pass
Violet	A	V500	166	18.93	474	0	0.0203	225	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.26	-31.14	0.89
Blue	20.46	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.29
Red	16.20	13.07 - 19.61	N/A	N/A	31.68	31.93	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11139

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments